

RUBRIC FOR BLACK BOX DEVICE

PLANNING AND REFLECTION					
A: Planning	The Logic Diagram was submitted on-time.	The Logic Diagram included all required inputs and outputs.	The Electrical Circuit was submitted on-time.	The Electrical Circuit included all required switches and components.	The Electrical Circuit matched the logic shown in the Logic Diagram.
B: Completion	Project was delivered to school on-time.	Project required no more than five minutes of final preparation prior to demonstration.	Project was made entirely of "junk-drawer" parts.	Project was no larger than 25 cm x 25 cm x 25 cm.	Project accomplished its goal for at least two testers.
C: Interest	Project was based on an interesting scenario.	Project output showed uniqueness	Project operated in a manner that created suspense.	Project container had unique properties.	Project inputs were creatively designed.
D: Logic	The logic employed at least one OR condition.	The logic employed at least one AND condition.	The OR conditions were logical alternatives.	The AND conditions were logical requirements.	A Truth Table was provided that matched the results of the testers.
E: Reflection	Five points are awarded for a written review of the project after it has been demonstrated in class (details on this assignment to follow).				

SCIENTIFIC UNDERSTANDING AND EXECUTION			
	This component used binary conditions.	The binary conditions were clearly expressed.	The binary conditions worked as designed.
F: Input 1			
G: Input 2			
H: Input 3			
I: Input 4			
J: Output			

Total Score: (Out Of 40 Available)
